

Figure 1A

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1      60
SEQ ID NO:17  MDTTIDGF-----ADSYEISSTSFVATDNTDSSIVYLA---AEQVLTGP-----
SEQ ID NO: 2  -----
SEQ ID NO: 8  -----
SEQ ID NO:10  MEPFTSHV-----TNAFSDSDSASVEEGGADA-----DA-----
SEQ ID NO: 4  -----
SEQ ID NO:16  MFARSAVVVIAMEPGSSITIASSSSYLSNGSSPCSVSLAPPGAGAVAAQAAPVAAGEGGG
SEQ ID NO:12  -----
SEQ ID NO: 6  -----
SEQ ID NO:14  -----

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61      120
SEQ ID NO:17  -----DVSAQLLLSNSFESVFDSPDDE--YSDAKLVLSDGR---EVSFHRG
SEQ ID NO: 2  -----
SEQ ID NO: 8  -----
SEQ ID NO:10  -----DVEALRRLSDNLAAAFRSPEDFAFLADARIAVPGGGGGGDDLHVHRC
SEQ ID NO: 4  -----
SEQ ID NO:16  GGGGGGGSSSVVSLNRLSANIERLLDSD-----LDCSDADVADVADGGPPVPVHRC
SEQ ID NO:12  -----
SEQ ID NO: 6  -----
SEQ ID NO:14  -----

```

**Figure 1B**

121	180
SEQ ID NO: 17	VLSARSSFFKSAIA--AAKKEKDSNNTAAV-----KLELKEI----AKDYEVG
SEQ ID NO: 2	-----
SEQ ID NO: 8	-----
SEQ ID NO: 10	VLSAPCPFLPCVPARRAANAAGGGEDGGE-----RIELPELLGGGEEVEVG
SEQ ID NO: 4	-----
SEQ ID NO: 16	ILAAIRSTFFYNLFAARGRGDGAAGGGGGGGGGTGGRRFFYKMEELVPGG---FVG
SEQ ID NO: 12	-----
SEQ ID NO: 6	-----
SEQ ID NO: 14	-----
	* * * * *
	* * *

181	240
SEQ ID NO: 17	FDSVVTVLAYVYSSRVRRPPPKGVSECADENCCHVACRPAVDFMLEVLVLAFFIKIPELIT
SEQ ID NO: 2	-----
SEQ ID NO: 8	-----
SEQ ID NO: 10	YEAIRLVLDYLYSGRVGDLPKAACLCVDEDCAHVGCHPAVAFMAQVLFAASTFQVAELTN
SEQ ID NO: 4	-DAFLSLLGPLYTGKLRPAPDDVVSCADPMCPHDSCFPAIRFNVEQMYAAWAFKITELIS
SEQ ID NO: 16	FD AFLSLLGPLYTGKLRPAPDDVVSCADPMCPHDSCPPAIRFNVEQMYAAWAFKITELIS
SEQ ID NO: 12	-DAFLSLLGPLYTGKLRPAPDDVVSCADPMCPHDSCPPAIRFNVEQMYAAWAFKITELIS
SEQ ID NO: 6	-----
SEQ ID NO: 14	-----

Figure 1C

241 300  
 SEQ ID NO:17 LYGHLLIVVIR/VVIEDTLVILKLANICGACMKLLDFCKEIIKSNVEMVSLKSLPEE  
 SEQ ID NO: 2 -----  
 SEQ ID NO: 8 -----  
 SEQ ID NO:10 LFQERLLDVLOKVEVDNLLILSVANLCNKSCMKLLERCLDMVVRNLDMITLEKSLPPD  
 SEQ ID NO: 4 LFQERLLNFVDKTLVEDVLPILQVA-----  
 SEQ ID NO:16 LFQERLLNFVDKTLVEDVLPILQVAFHSELT--PVLEKCIFFIARSNLDNVSLDKELPPE  
 SEQ ID NO:12 LFQERLLNFVDKTLVEDVLPILQVAFHSELT--PVLEKCIFFIARSNLDNVSLDKELPPE  
 SEQ ID NO: 6 -----  
 SEQ ID NO:14 -----  
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301 360  
 SEQ ID NO:17 L---VKEIIDRRKELGLEVPFKV---KHVSNVHKALDSDDIELVKLLLKEDHTNLDAC  
 SEQ ID NO: 2 -----VRRMRALDAADIELVKLMVMGEGLDLDAAL  
 SEQ ID NO: 8 -----PVHEKRVRRIRHRALDSDDELVKLLLNESDITLDDAN  
 SEQ ID NO:10 V---IKQIIDARLSGLISPENKGFNKHVRRIRHRALDSDDELVRMLLTEGQTNLDDAF  
 SEQ ID NO: 4 -----  
 SEQ ID NO:16 VAVQIKEIRQKSQPNEGDVTISDPVHEKRVRRIRHRALDSDDELVKLLLNESITLDDAN  
 SEQ ID NO:12 VAVQIKEIRQKSQPNEGDVTISDPVHEKRVRRIRHRALDSDDELVKLLLNESITLDDAN  
 SEQ ID NO: 6 -----  
 SEQ ID NO:14 -----  
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Figure 1D

361 420  
 SEQ ID NO:17 ALHFAVAYCNVYATATOLLKDLADVNHRNPRGYFVLHVAAAMFKEPQLILSLLEKGSASE  
 SEQ ID NO: 2 AVHIAVZHCGRDVKALLEGAADVN-----  
 SEQ ID NO: 8 ALHYAASYCDEKVVSELLDLAMANLNKNSPGYTAHLHAAAMPREFPAIIMCLLNKGANVSQ  
 SEQ ID NO:10 ALHYAVEHCLSKITFELLDLALADVNHPNFFGYTVLHIAARPPPKIIVSLLTKGARPAD  
 SEQ ID NO: 4 -----  
 SEQ ID NO:16 ALHYAAAYCESKVVSELLDLRLANLNKNSPGYTAHLHAAAMPREFPAIIMCLLNKGAAVSQ  
 SEQ ID NO:12 ALHYAAAYCESKVVSELLDLRLANLNKNSPGYTAHLHAAAMPREFPAIIMCLLNKGAAVSQ  
 SEQ ID NO: 6 -----  
 SEQ ID NO:14 -----  
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421 480  
 SEQ ID NO:17 ATLEGFTALMIAKQATMAVECNPIPEQCKHSLFGPLCVEILEQEDKREQIPRDVPPPSFAV  
 SEQ ID NO: 2 -----  
 SEQ ID NO: 8 LTADGFSAGICRRRLTRAKDYNKMEQQQESNFDRLCIDILEFERMMRNPMAVEDAVTSPL  
 SEQ ID NO:10 VTFDGFKAVQISKRLTKQGDYFGVTEEGKPSYDRLCIEILEQAEPRDPQLGEASVSLAM  
 SEQ ID NO: 4 -----  
 SEQ ID NO:16 LTADGQSAMSICRRRLTRMKDYNKMEQQQESNFDRLCIDILDREMIKPMAVEDSVTSPL  
 SEQ ID NO:12 LTADGQSAMSICRRRLTRMKDYNKMEQQQESNFDRLCIDILDREMIKPMAVEDSVTSPL  
 SEQ ID NO: 6 -----  
 SEQ ID NO:14 -----  
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Figure 1E

481  
 SEQ ID NO:17 AADLELNTLLDLENFVALAQRLFFTEAQAAMEIAEMFGTCEFI VTSLEFDLTLTGKFTSP 540  
 SEQ ID NO: 2 -----  
 SEQ ID NO: 8 LADDLHMKLLYLENRVAFARLFFPAEAKVAMQIAQADTTEFFG -GIVAVAASTSGKLREV  
 SEQ ID NO:10 AGESLFGRLLYLENPVALARIMFPMEAFVAMDIAQVDGTLFNLGS -GANPPPERQRTTV  
 SEQ ID NO: 4 -----  
 SEQ ID NO:16 LADDLHMKLLYLENPVAFARLFFPAEAKVAMQIAQADTTPEFG --IVPAASTSGKLKEV  
 SEQ ID NO:12 LADDLHMKLLYLENRVAFARLFFPAEAKVAMQIAQADTTPEFG --IVPAASTSGKLKEV  
 SEQ ID NO: 6 LADDLHMKLLYLENRVAFARLFFPAE -----  
 SEQ ID NO:14 LADDLHMFLSYLENFVAFARLFFPAEAKVAMQIAQADVTPEVG -GFSA -ASTSGKLREV  
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541  
 SEQ ID NO:17 GVKIAFFRILEEHSRLKALSKTVELGKRRFFFCSAVLDQIMN ---CEDLTQLACGEDDT 600  
 SEQ ID NO: 2 -----  
 SEQ ID NO: 8 DLNETPVTQNKFLRSRVDALMKTVELGRRYFPNCSQVLDKFLLEDLPEGLDQFYLRGTA  
 SEQ ID NO:10 DLNESFFIMKEEHLARMTALSKTVELGKRRFFFCSNVLDKIMD ---DETDPVSLGRDTS  
 SEQ ID NO: 4 -----  
 SEQ ID NO:16 DLNETPVTQNKFLRSRVDALMKTVELGRRYFPNCSQVLDKFLLEDLPLDS PDALDLQNGTS  
 SEQ ID NO:12 DLNETPVTQNKFLRSRVDALMKTVELGRRYFPNCSQVLDKFLLEDLPLDSPDALDLQNGTS  
 SEQ ID NO: 6 -----  
 SEQ ID NO:14 DLNETPVTKNKFLRSRVDALAKTVELGRRYFPNCSQVLDKFLLEDGLPDGLDAFQQQSGTP

Figure 1F

601	SEQ ID NO:17	AEPPILQKKQPYMEIQETLPAFSEDNLELGNSSSLTDSTSTSPSTGGKPSNRKLSHRPR	659
	SEQ ID NO: 2	-----SR	
	SEQ ID NO: 8	DEQPV-KPMPECELKEDVLKAFSFDKAEGSVFSGLSSSSCS-----PPQKYAQR--	
	SEQ ID NO:10	AERF----KRFHDLQDVLQKAFHEDKEENDRSGLSSSSSSTS--IGAIRP-----RR	
	SEQ ID NO: 4	-----	
	SEQ ID NO:16	DEQNV-KMPFCELKEDVRKAFSKFRADNSMFSILSSSSSS-----PPKVAKK--	
	SEQ ID NO:12	DEQNV-KMPFCELKEDVRKAFSKFRADNSMFSILSSSSSS-----	
	SEQ ID NO: 6	-----	
	SEQ ID NO:14	DEQNV-KMPFCEVKEDVPKAYSFLTADNSMFSALSSNSSSS-----	
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